

## REMARKS

Claims 1-8, 11, 12, 15, 17-24, 26, 31 and 48-50 have been canceled without prejudice or disclaimer. Claims 62-84 have been added and therefore are pending in the present application. Claims 62-84 are supported throughout the specification, including the original claims.

It is respectfully submitted that the present amendment presents no new issues or new matter and places this case in condition for allowance. Reconsideration of the application in view of the above amendments and the following remarks is requested.

### **I. The Rejection of Claims 11 and 19 under 35 U.S.C. 112**

Claims 11 and 19 are rejected under 35 U.S.C. 112 because there is no antecedent basis for the recitations "carbohydrate substrate" or "substrate".

Claims 11 and 19 have been canceled without prejudice or disclaimer. Applicants therefore submit that this rejection is rendered moot.

### **II. The Rejection of Claims 1-5, 8, 11, 12, 15, 17-24, 26, 31, 48 and 50 under 35 U.S.C. 103**

Claims 1-5, 8, 11, 12, 15, 17-24, 26, 31, 48 and 50 are rejected under 35 U.S.C. 103 as being unpatentable over Baeck et al. (U.S. Patent No. 6,077,818). This rejection is respectfully traversed.

Baeck et al. disclose a detergent composition comprising a cellulase and a cellulase termination composition, wherein the cellulase terminator composition comprises a peroxidase, an enhancer and a source of hydrogen peroxide. Baeck et al. further disclose that the source of hydrogen peroxide may be a hydrogen peroxide-generating enzyme such as an oxidase. In addition, Baeck et al. disclose that the detergent composition may further comprise a lipxygenase.

However, Baeck et al. do not teach or suggest a process for manufacturing a textile, comprising scouring a fabric, fiber, or yarn; and bleaching the fabric, fiber, or yarn in an aqueous medium comprising peroxide generated using a carbohydrate oxidase. The purpose of the oxidase in the Baeck process is to produce hydrogen peroxide, which inactivates a cellulase. On the other hand, the present invention utilizes carbohydrate oxidase in a process to bleach a fabric, fiber, or yarn.

Moreover, Baeck et al. do not teach or suggest a process for manufacturing a textile, comprising scouring the fabric, fiber, or yarn; and bleaching the fabric, fiber, or yarn in an aqueous medium comprising peroxide generated using a fatty acid oxidizing enzyme.

For the foregoing reasons, Applicants submit that the claims overcome this rejection under 35 U.S.C. 103. Applicants respectfully request reconsideration and withdrawal of the rejection.

### **III. The Rejection of Claims 6 and 7 under 35 U.S.C. 103**

Claims 6 and 7 are rejected under 35 U.S.C. 103 as being unpatentable over Baeck et al. (U.S. Patent No. 6,077,818) in view of Schneider et al. (U.S. Patent No. 6,165,761). This rejection is respectfully traversed.

As discussed above, Baeck et al. do not teach or suggest a process for manufacturing a textile using a carbohydrate oxidase or fatty acid oxidizing enzyme.

Schneider et al. disclose a carbohydrate oxidase obtained from *Microdochium* and its use baking. However, Schneider et al. also do not teach or suggest a process for manufacturing a textile using a carbohydrate oxidase or fatty acid oxidizing enzyme.

For the foregoing reasons, Applicants submit that the claims overcome this rejection under 35 U.S.C. 103. Applicants respectfully request reconsideration and withdrawal of the rejection.

### **IV. The Rejection of Claim 49 under 35 U.S.C. 103**

Claim 49 is rejected under 35 U.S.C. 103 as being unpatentable over Baeck et al. (U.S. Patent No. 6,077,818) in view of Sugio et al. (CA 2444735). This rejection is respectfully traversed.

As discussed above, Baeck et al. do not teach or suggest a process for manufacturing a textile using a carbohydrate oxidase or fatty acid oxidizing enzyme.

Sugio et al. disclose a lipxygenase from *Magnaporthe salvinii* and its use in baking and detergents. However, Sugio et al. also do not teach or suggest a process for manufacturing a textile using a carbohydrate oxidase or fatty acid oxidizing enzyme.

For the foregoing reasons, Applicants submit that the claims overcome this rejection under 35 U.S.C. 103. Applicants respectfully request reconsideration and withdrawal of the rejection.

**V. Conclusion**

In view of the above, it is respectfully submitted that all claims are in condition for allowance. Early action to that end is respectfully requested. The Examiner is hereby invited to contact the undersigned by telephone if there are any questions concerning this amendment or application.

Respectfully submitted,

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